

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

September 13, 2019

David Soule, P.E.
Rio Grande Engineering
P.O. Box 93924
Albuquerque, NM 87199

**RE: 503 Camino Espanol NW
Grading and Drainage Plan
Engineer's Stamp Date: 07/08/19
Engineer's Certification Date: 09/05/19
Hydrology File: E14D008**

Dear Mr. Soule:

PO Box 1293

Based upon the information provided in your Certification received on 09/05/19 and site photos sent on 09/13/19, the above referenced Certification is acceptable for Building Pad Certification for 503 Camino Espanol NW.

Albuquerque

As a reminder, prior to approval in support of Permanent Release of Occupancy by Hydrology, Engineer Certification per the DPM checklist will be required.

NM 87103

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

www.cabq.gov

Sincerely,

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: 503 CAMINO ESPANOL **Building Permit #:** _____ **Hydrology File #:** _____
DRB#: _____ **EPC#:** _____ **Work Order#:** _____
Legal Description: LOT 3 LANDS OF ROSS AND JOYCE COX
City Address: 503 CAMINO ESPANOL

Applicant: Luis Olague__ **Contact:** _____
Address: 503 CAMINO ESPANOL
Phone#: _____ **Fax#:** _____ **E-mail:** _____

Other Contact: RIO GRANDE ENGINEERING **Contact:** DAVID SOULE
Address: PO BOX 93924 ALB NM 87199
Phone#: 505.321.9099 **Fax#:** 505.872.0999 **E-mail:** david@riograndeengineering.com

TYPE OF DEVELOPMENT: ___ PLAT ☒ RESIDENCE ___ DRB SITE ___ ADMIN SITE

Check all that Apply:

DEPARTMENT:

☒ HYDROLOGY/ DRAINAGE
___ TRAFFIC/ TRANSPORTATION

TYPE OF SUBMITTAL:

☒ ENGINEER/ARCHITECT CERTIFICATION
☒ PAD CERTIFICATION
___ CONCEPTUAL G & D PLAN
___ GRADING PLAN
___ DRAINAGE REPORT
___ DRAINAGE MASTER PLAN
___ FLOODPLAIN DEVELOPMENT PERMIT APPLIC
___ ELEVATION CERTIFICATE
___ CLOMR/LOMR
___ TRAFFIC CIRCULATION LAYOUT (TCL)
___ TRAFFIC IMPACT STUDY (TIS)
___ STREET LIGHT LAYOUT
___ OTHER (SPECIFY) _____
___ PRE-DESIGN MEETING?

IS THIS A RESUBMITTAL?: ☒ Yes ___ No

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

☒ BUILDING PERMIT APPROVAL
___ CERTIFICATE OF OCCUPANCY
___ PRELIMINARY PLAT APPROVAL
___ SITE PLAN FOR SUB'D APPROVAL
___ SITE PLAN FOR BLDG. PERMIT APPROVAL
___ FINAL PLAT APPROVAL
___ SIA/ RELEASE OF FINANCIAL GUARANTEE
___ FOUNDATION PERMIT APPROVAL
___ GRADING PERMIT APPROVAL
___ SO-19 APPROVAL
___ PAVING PERMIT APPROVAL
☒ GRADING/ PAD CERTIFICATION
___ WORK ORDER APPROVAL
___ CLOMR/LOMR
___ FLOODPLAIN DEVELOPMENT PERMIT
___ OTHER (SPECIFY) _____

DATE SUBMITTED: _____ **By:** _____

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED: _____

FEE PAID: _____

| Weighted E Method | | | | | | | | | | | | | |
|---|--------------|-----------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Basin | Area (sf) | Area (acres) | Treatment A (acres) | Treatment B (acres) | Treatment C (acres) | Treatment D (acres) | Treatment E (acres) | Treatment F (acres) | Treatment G (acres) | Treatment H (acres) | Treatment I (acres) | Treatment J (acres) | Treatment K (acres) |
| EXISTING | 18193.00 | 0.418 | 0% | 0 | 50% | 0.209 | 50% | 0.209 | 0% | 0.000 | 0.955 | 0.033 | 1.13 |
| PROPOSED | 18193.00 | 0.418 | 0% | 0 | 37% | 0.155 | 25% | 0.104 | 38% | 0.159 | 1.377 | 0.040 | 1.43 |
| Equations: | | | | | | | | | | | | | |
| Weighted E = Ea*Aa + Eb*Ab + Ec*Ac + Ed*Ad / (Total Area) | | | | | | | | | | | | | |
| Volume = Weighted D * Total Area | | | | | | | | | | | | | |
| Flow = Qa * Aa + Qb * Ab + Qc * Ac + Qd * Ad | | | | | | | | | | | | | |
| Where for 100-year, 6-hour storm(zone2) | | | | | | | | | | | | | |
| Ea= 0.53 | | | | | | | | | | | | | |
| Eb= 0.78 | | | | | | | | | | | | | |
| Ec= 1.13 | | | | | | | | | | | | | |
| Ed= 2.12 | | | | | | | | | | | | | |
| Developed Conditions | | | | | | | | | | | | | |
| TOTAL VOLUME | | | | | | | | | | | | | |
| HISTORICAL DISCHARGE | | | | | | | | | | | | | |
| 1447.86 | | | | | | | | | | | | | |
| PROPOSED DISCHARGE | | | | | | | | | | | | | |
| 2317.64 | | | | | | | | | | | | | |
| PROVIDED | | | | | | | | | | | | | |
| 2535 | | | | | | | | | | | | | |
| This site is an redevelopment of an existing developed lot. The site will conform to the valley flat area drainage scheme. The site will retain the 100-year 24-hour volume. The ponds will overflow to the street in the event of a storm exceeding the 100-year event. The surrounding area is flat, minor offsite flows are allowed to enter the site and pass thru to the right of way. The first flush volume is retained on site. The ponding volume accounts for future concrete drive and garage. | | | | | | | | | | | | | |

I, DAVID SOULE HAVE PERSONALLY INSPECTED THE SITE. I HEREBY CERTIFY THE PAD HAS BEEN CONSTRUCTED SUCH THAT IT IS IN SUBSTANTIAL CONFORMANCE TO THE APPROVED GRADING PLAN DATED 7/8/19



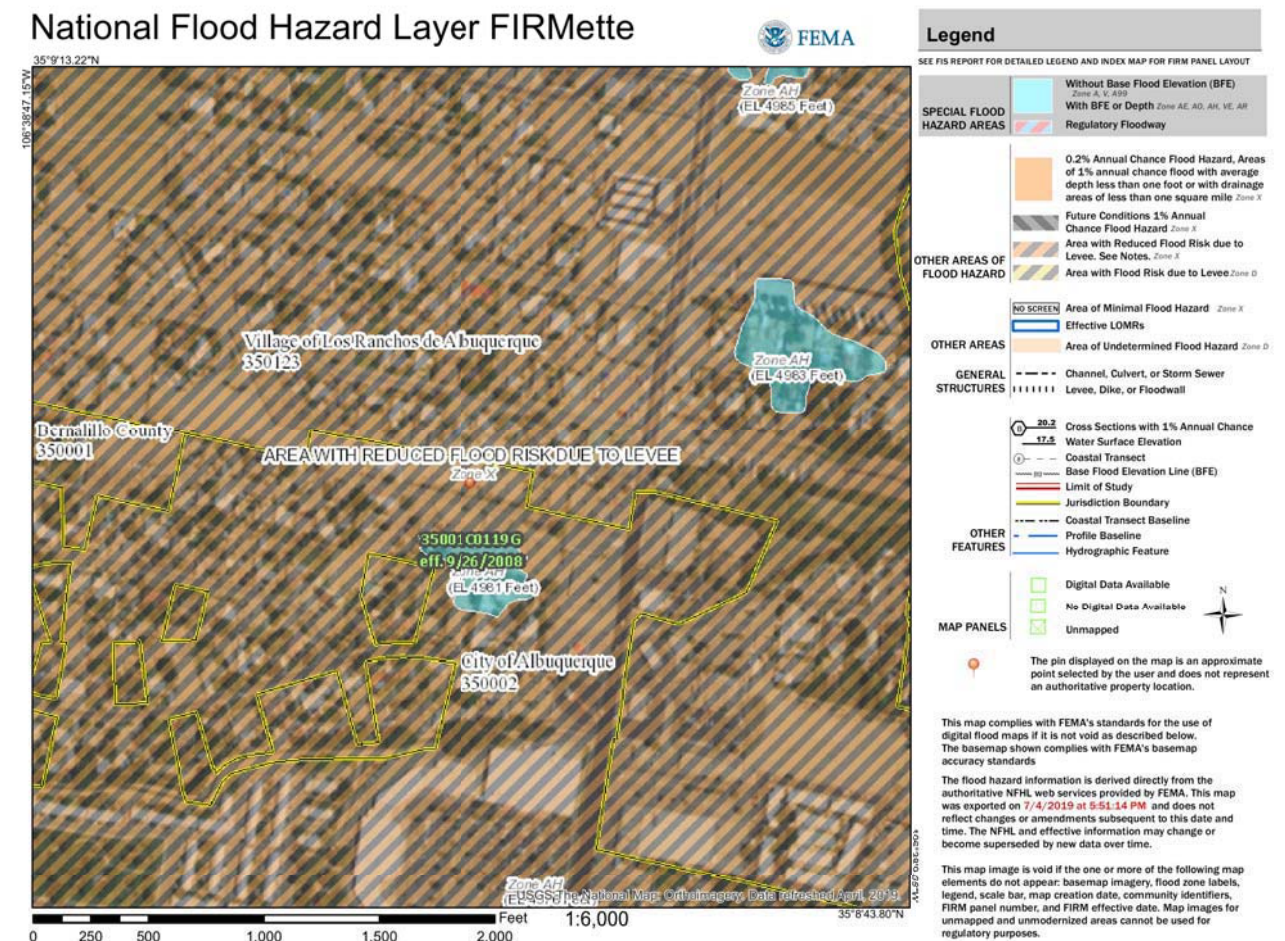
9/5/19

EROSION CONTROL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING RUN-OFF ON SITE DURING CONSTRUCTION.
3. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
4. REPAIR OF DAMAGED FACILITIES AND CLEANUP OF SEDIMENT ACCUMULATIONS ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



VICINITY MAP: E-14-Z



FIRM MAP:

LEGAL DESCRIPTION:

LOT 3 LANDS OF ROSS & JOYCE COX
CITY OF ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

NOTES:

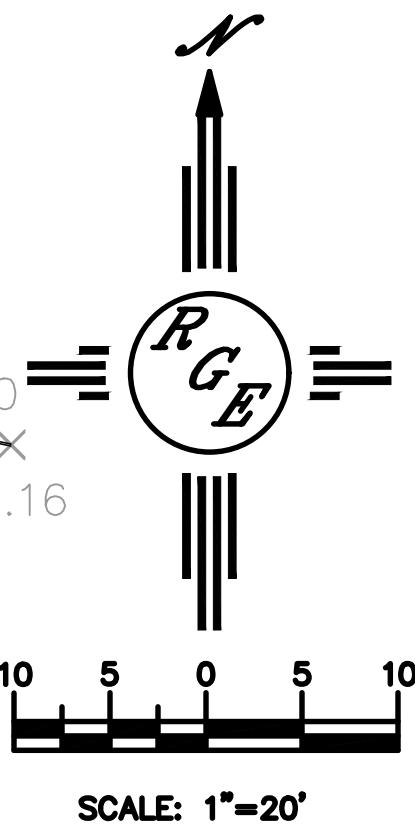
1. ALL SPOT ELEVATIONS REPRESENT FLOWLINE ELEVATION UNLESS OTHERWISE NOTED.
2. ALL SLOPES SHALL BE 3:1 MAX. AND GRAVEL OR NATIVE SEEDING PRIOR TO CO.
3. ANY PERIMETER WALLS MUST BE PERMITTED SEPARATELY. ALL RETAINING WALL DESIGN SHALL BE BY OTHERS.
4. SURVEY INFORMATION PROVIDED BY COMMUNITY SCIENCES CORPORATION USING NAVD DATUM 1988.

LEGEND

- XXXX--- EXISTING CONTOUR
- XXXX--- EXISTING INDEX CONTOUR
- XXXX--- PROPOSED CONTOUR
- XXXX--- PROPOSED INDEX CONTOUR
- + XXXXX EXISTING SPOT ELEVATION
- XXXXX PROPOSED SPOT ELEVATION
- BOUNDARY
- PROPOSED EARTHEN SWALE
- ADJACENT BOUNDARY
- ===== EXISTING CURB AND GUTTER

CAUTION:

EXISTING UTILITIES ARE NOT SHOWN. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.



SCALE: 1"=20'

| | | |
|--|--|-----------------|
| ENGINEER'S SEAL | LOT 3 LANDS OF ROSS & JOYCE COX 503 CAMINO ESPANOL N.W. | DRAWN BY DEM |
| DAVID SOULE REGISTERED PROFESSIONAL ENGINEER 14522 | GRADING AND DRAINAGE PLAN | DATE 7-6-19 |
| 7/8/19 | DATE Rio Grande Engineering 1608 CENTRAL AVENUE SE SUITE 201 ALBUQUERQUE, NM 87106 (505) 972-0899 | SHEET # C1 |
| DAVID SOULE P.E. #14522 | | JOB # |